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GenCore version 5.1.3  
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OM nucleic - nucleic search, using sw model

Run on: November 9, 2002, 01:44:11 : Search time 69 Seconds  
(without alignments)  
2533.417 Million cell updates/sec

Title: US-09-895-298A-32\_COPY\_63\_632  
Perfect score: 570

Sequence: 1 atgatgaattccagcctcc.....aagaagtaatccaagggcc 570

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database :  
1: Issued\_Patents\_NA:\*  
2: /cgn2\_6/ptodata/1/ina/5A.COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/5B.COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6A.COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/6B.COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/PCRTUS.COMB.seq:\*  
7: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description                           |
|------------|-------|-------------|--------|----|---------------------------------------|
| 1          | 53.2  | 9.3         | 7218   | 1  | US-08-232-463-14 Sequence 14, Appl    |
| 2          | 42.6  | 7.5         | 7218   | 1  | US-08-232-463-14 Sequence 14, Appl    |
| 3          | 35    | 6.1         | 1142   | 3  | US-08-672-850-3 Sequence 3, Appl      |
| 4          | 34.8  | 6.1         | 2394   | 3  | US-09-027-064-1 Sequence 1, Appl      |
| 5          | 34.8  | 6.1         | 2394   | 4  | US-09-271-815-1 Sequence 1, Appl      |
| 6          | 34    | 6.0         | 3483   | 4  | US-09-130-491-3 Sequence 3, Appl      |
| 7          | 33.4  | 5.9         | 1335   | 4  | US-09-134-001C-1509 Sequence 1509, Ap |
| 8          | 33.4  | 5.9         | 3592   | 3  | US-08-714-918-63 Sequence 63, Appl    |
| 9          | 33.4  | 5.9         | 3592   | 4  | US-09-265-315-63 Sequence 63, Appl    |
| 10         | 33.4  | 5.9         | 3592   | 4  | US-09-265-315-63 Sequence 63, Appl    |
| 11         | 33.4  | 5.9         | 3592   | 4  | US-09-266-417-63 Sequence 37, Appl    |
| 12         | 33    | 5.8         | 683    | 4  | US-08-882-164D-37 Sequence 37, Appl   |
| 13         | 32.8  | 5.8         | 282    | 4  | US-09-461-697-205 Sequence 205, App   |
| 14         | 32.8  | 5.8         | 306    | 4  | US-09-461-697-203 Sequence 203, App   |
| 15         | 32.8  | 5.8         | 696    | 4  | US-09-461-697-193 Sequence 193, App   |
| 16         | 32.8  | 5.8         | 699    | 4  | US-09-461-697-191 Sequence 191, App   |
| 17         | 32.8  | 5.8         | 717    | 4  | US-09-461-697-189 Sequence 189, App   |
| 18         | 32.8  | 5.8         | 774    | 4  | US-09-461-697-187 Sequence 187, App   |
| 19         | 32.8  | 5.8         | 819    | 4  | US-09-461-697-185 Sequence 185, App   |
| 20         | 32.8  | 5.8         | 1488   | 4  | US-09-134-001C-291 Sequence 291, App  |
| 21         | 32.8  | 5.8         | 1669   | 4  | US-09-461-697-184 Sequence 184, App   |
| 22         | 32.2  | 5.6         | 567    | 4  | US-09-134-001C-1412 Sequence 1412, Ap |
| 23         | 31.8  | 5.6         | 289    | 4  | US-09-007-005-17 Sequence 17, Appl    |
| 24         | 31.8  | 5.6         | 289    | 4  | US-09-244-796-17 Sequence 17, Appl    |
| 25         | 31.8  | 5.6         | 2255   | 2  | US-08-741-134-1 Sequence 1, Appl      |
| 26         | 31.8  | 5.6         | 4089   | 4  | US-09-134-001C-2118 Sequence 2118, Ap |
| 27         | 31.6  | 5.5         | 1248   | 2  | US-09-200-141-1 Sequence 1, Appl      |

|      |      |     |       |   |                  |                   |
|------|------|-----|-------|---|------------------|-------------------|
| C 28 | 31.6 | 5.5 | 1276  | 4 | US-09-177-325-2  | Sequence 2, Appl  |
| C 29 | 31.6 | 5.5 | 1276  | 4 | US-09-411-812A-2 | Sequence 2, Appl  |
| C 30 | 31.6 | 5.5 | 1276  | 4 | US-09-590-113-2  | Sequence 2, Appl  |
| C 31 | 31.6 | 5.5 | 1485  | 1 | US-08-471-601-23 | Sequence 23, Appl |
| C 32 | 31.6 | 5.5 | 1485  | 1 | US-08-474-556-23 | Sequence 23, Appl |
| C 33 | 31.6 | 5.5 | 1485  | 1 | US-08-479-382-23 | Sequence 23, Appl |
| C 34 | 31.6 | 5.5 | 1485  | 1 | US-08-470-354-23 | Sequence 23, Appl |
| C 35 | 31.6 | 5.5 | 1485  | 1 | US-08-479-383-23 | Sequence 23, Appl |
| C 36 | 31.6 | 5.5 | 1485  | 2 | US-08-479-041-23 | Sequence 23, Appl |
| C 37 | 31.6 | 5.5 | 1485  | 4 | US-08-819-646-23 | Sequence 23, Appl |
| C 38 | 31.6 | 5.5 | 1485  | 4 | US-09-195-716-23 | Sequence 23, Appl |
| C 39 | 31.6 | 5.5 | 2277  | 1 | US-08-676-967-2  | Sequence 2, Appl  |
| C 40 | 31.6 | 5.5 | 2277  | 1 | US-08-676-974-2  | Sequence 2, Appl  |
| C 41 | 31.6 | 5.5 | 2277  | 2 | US-09-098-487-2  | Sequence 2, Appl  |
| C 42 | 31.6 | 5.5 | 8920  | 2 | US-08-446-855A-1 | Sequence 1, Appl  |
| C 43 | 31.6 | 5.5 | 8920  | 4 | US-09-150-741-1  | Sequence 1, Appl  |
| C 44 | 31.6 | 5.5 | 34446 | 4 | US-09-103-330-35 | Sequence 35, Appl |
| C 45 | 31.2 | 5.5 | 1105  | 3 | US-08-961-083-75 | Sequence 75, Appl |

## ALIGNMENTS

RESULT 1  
US-08-232-463-14  
Sequence 14, Application US/08232463  
Patent No. 5670367  
GENERAL INFORMATION:  
APPLICANT: DORNER, F.  
APPLICANT: SCHEIFLINGER, F.  
APPLICANT: FALKNER, F. G.  
TITLE OF INVENTION: RECOMBINANT FOMLOX VIRUS  
NUMBER OF SEQUENCES: 52  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 1800 Diagonal Road, Suite 500  
CITY: Alexandria  
STATE: VA  
COUNTRY: USA  
ZIP: 22313-0299  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/232,463  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/935,313  
FILING DATE:  
APPLICATION NUMBER: EP 91 114 300.6  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)836-9300  
TELEFAX: (703)683-4109  
TELEX: 899149  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7218 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
CLONE: PT2gpt-F15  
US-08-232-463-14  
Query Match 9.3%; Score 53.2; DB 1; Length 7218;

Best Local Similarity 6.0%; Pred. No. 2.8e-06;  
Matches 19; Conservative 177; Mismatches 120; Indels 0; Gaps 0;

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OY 4 ATGAATTCACGCTCCGACAAAGCCTGCGGCTCAGAGATGATGACTTCTTCATC 63
    ||||| ||| | ||| | | | : : : : : : : :
Db 1026 ATTAATTCGAGCTGGCTGCGAGCTGAGGAGCTTGCATYYYYYYYYYYYY 1085
OY 64 TTCTGCTCTTTTCCATCTTTCACCGGGGCTGTGCGACCCCTGGCCATCACCATCTGG 123
    : : : : : : : : : : : : : : : : : :
Db 1086 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1145
OY 124 AGATTGAAGCCTCAGCTGAGCTGTGCGCTTTCGAGAGTCTCCTCTCTTCATTCACATCC 183
    : : : : : : : : : : : : : : : : : :
Db 1146 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1205
OY 184 ATCTACAGCTGATCGACACCTAAGTACACGCGCTGCTACCTGTGGTGTGATC 243
    : : : : : : : : : : : : : : : : : :
Db 1206 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1265
OY 244 TATCGAAGCTCATTTGGAAGTGTGCACTTTTTCATCTCACCCTCATGTGCTAATC 303
    : : : : : : : : : : : : : : : : : :
Db 1266 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1325
OY 304 ATCACCTATCTTACT 319
    : : : : : : : : : : : : : : : :
Db 1326 YYYYYYYYYYYY 1341
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## RESULT 2

US-08-232-463-14/C

; Sequence 14, Application US/08232463

; Patent No. 5670367

; GENERAL INFORMATION:

; APPLICANT: DORNER, F.

; APPLICANT: SCHEIFLINGER, F.

; APPLICANT: FALKNER, F. G.

; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS

; NUMBER OF SEQUENCES: 52

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Foley &amp; Lardner

; STREET: 1800 Diagonal Road, Suite 500

; CITY: Alexandria

; STATE: VA

; COUNTRY: USA

; ZIP: 22313-0299

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/232,463

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/07/935,313

; FILING DATE:

; APPLICATION NUMBER: EP 91 114 300.6

; FILING DATE: 26-AUG-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: BENT, Stephen A.

; REGISTRATION NUMBER: 29,768

; REFERENCE/DOCKET NUMBER: 30472/114 IMMU

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)836-9300

; TELEFAX: (703)883-4109

; TELEFAX: 899149

; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 7218 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:  
; CLONE: pTZgpt-F1s  
; US-08-232-463-14

Query Match 7.5%; Score 42.6; DB 1; Length 7218;  
Best Local Similarity 1.2%; Pred. No. 0.0052;  
Matches 3; Conservative 158; Mismatches 92; Indels 0; Gaps 0;

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OY 316 TACTGCAGATCAGAGGAGGAAGATTATGAAAGCTGCTCAGCAGATCAT 375
    ||| : : : : : : : : : : : : : : : :
Db 1437 TACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1378
OY 376 AATGAGGCAAGATAAATGTTCTGATAGAAAATGATCAAGCTGAGATATGAG 435
    : : : : : : : : : : : : : : : : : :
Db 1377 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1318
OY 436 AAGAAAGCAACCCAGCTCACTTGTCTGAAAGAGAGAGTGAGCAACAGGCTT 495
    : : : : : : : : : : : : : : : : : :
Db 1317 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1258
OY 496 TTGCATTTGGGGAACATGATGCACTCTTGACTTGCGATCTAGACATCAAGAA 555
    : : : : : : : : : : : : : : : : : :
Db 1257 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1198
OY 556 GGTAATCCAAGG 568
    : : : : : : : : : : : : : : : :
Db 1197 RRRRRRRRRRRR 1185
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## RESULT 3

US-08-672-850-3

; Sequence 3, Application US/08672850

; Patent No. 6140117

; GENERAL INFORMATION:

; APPLICANT: Milbrandt, Jeffrey

; APPLICANT: Arai, Toshiyuki

; TITLE OF INVENTION: NINJURIN

; NUMBER OF SEQUENCES: 34

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Flehr, Hohbach, Test, Albritton &amp; Herbert

; STREET: Four Embarcadero Center, Suite 3400

; CITY: San Francisco

; STATE: California

; COUNTRY: United States

; ZIP: 94111

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/672,850

; FILING DATE: 24-JUL-1996

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Silva, Robin M.

; REGISTRATION NUMBER: 38,304

; REFERENCE/DOCKET NUMBER: A-63610

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 781-1989

; TELEFAX: (415) 398-3249

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1142 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: unknown

; TOPOLOGY: unknown

; MOLECULE TYPE: DNA (genomic)

; US-08-672-850-3

Query Match 6.1%; Score 35; DB 3; Length 1142;  
Best Local Similarity 50.9%; Pred. No. 0.42;  
Matches 83; Conservative 0; Mismatches 80; Indels 0; Gaps 0;





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; FILING DATE: March 9, 1999
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/714,918
; FILING DATE: September 13, 1996
; APPLICATION NUMBER: 60/009,102
; FILING DATE: December 22, 1995
; APPLICATION NUMBER: 60/003,798
; FILING DATE: September 15, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 240/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3592 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-265-315-63

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Query Match          5.9%; Score 33.4; DB 4; Length 3592;
Best Local Similarity 48.2%; Pred.No.2.4;
Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;

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QY 143 ACTGTGGCCCTTTTCAGAGGCTGCTCTCTTCATTCACATCCATCAGCTGGATCGACA 202
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Db 710 ACTTAGCTTTATTANAGTCTTTTAGCGCACCACTTAACAGCCGACGACGACGACGAC 651

QY 203 CCTAAGTACACGGCGCTGGCTACCTGTGGGTGTGTTGATCTATCGGAACCCATTTGGA 262
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 650 CCTTCATTCACATAAGATGATATATCATGTCTTCCGCTCTTTTAACGCATCATTAGAA 591

QY 263 GTGTGACACTCTTTTTCATCCTCACCCTCATTTGCTAATCATCACCTAT 312
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 590 GTNNGAATGCTTCAGTATCTTTACCTTTTGTAGTTAACAACAGCTTTT 541

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RESULT 10
US-09-265-315-63/c
; Sequence 63, Application US/09265315
; Patent No. 6187541
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret
; APPLICANT: Lee, Ving J.
; APPLICANT: Malouin, Francois
; APPLICANT: Martin, Patrick K.
; APPLICANT: Schmid, Molly B.
; APPLICANT: Sun, Dongxu
; TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
; TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
; TITLE OF INVENTION: TARGET GENES
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/265,315

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; FILING DATE: March 9, 1999
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/714,918
; FILING DATE: September 13, 1996
; APPLICATION NUMBER: 60/009,102
; FILING DATE: December 22, 1995
; APPLICATION NUMBER: 60/003,798
; FILING DATE: September 15, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 240/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3592 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-265-315-63

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Query Match          5.9%; Score 33.4; DB 4; Length 3592;
Best Local Similarity 48.2%; Pred.No.2.4;
Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;

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QY 143 ACTGTGGCCCTTTTCAGAGGCTGCTCTCTTCATTCACATCCATCAGCTGGATCGACA 202
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 710 ACTTAGCTTTATTANAGTCTTTTAGCGCACCACTTAACAGCCGACGACGACGACGAC 651

QY 203 CCTAAGTACACGGCGCTGGCTACCTGTGGGTGTGTTGATCTATCGGAACCCATTTGGA 262
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 650 CCTTCATTCACATAAGATGATATATCATGTCTTCCGCTCTTTTAACGCATCATTAGAA 591

QY 263 GTGTGACACTCTTTTTCATCCTCACCCTCATTTGCTAATCATCACCTAT 312
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 590 GTNNGAATGCTTCAGTATCTTTACCTTTTGTAGTTAACAACAGCTTTT 541

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RESULT 11
US-09-266-417-63/c
; Sequence 63, Application US/09266417
; Patent No. 6228588
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret
; APPLICANT: Lee, Ving J.
; APPLICANT: Malouin, Francois
; APPLICANT: Martin, Patrick K.
; APPLICANT: Schmid, Molly B.
; APPLICANT: Sun, Dongxu
; TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
; TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
; TITLE OF INVENTION: TARGET GENES
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/266,417

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FILING DATE: March 9, 1999  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/714,918  
 FILING DATE: September 13, 1996  
 APPLICATION NUMBER: 60/009,102  
 FILING DATE: December 22, 1995  
 APPLICATION NUMBER: 60/003,798  
 FILING DATE: September 15, 1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Warburg, Richard J.  
 REGISTRATION NUMBER: 32,327  
 REFERENCE/DOCKET NUMBER: 240/248  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 489-1600  
 TELEFAX: (213) 955-0440  
 TELEX: 67-3510  
 INFORMATION FOR SEQ ID NO: 63:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3592 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 US-09-266-417-63

|                       |        |                |       |                |
|-----------------------|--------|----------------|-------|----------------|
| Query Match           | 5.9%;  | Score 33.4;    | DB 4; | length 3592;   |
| Best Local Similarity | 48.2%; | Pred. NO. 2.4; |       |                |
| Matches               | 82;    | Conservative   | 1;    | Mismatches 87; |
|                       |        |                |       | Indels 0;      |
|                       |        |                |       | Gaps 0;        |

|    |     |  |      |
|----|-----|--|------|
| Oy | 143 | ACTGTGGCCCTTTTCGAGGCTCGCCTCTTCAATTCACATCTACAGCTGATCGACA        | 202  |
| Db | 710 | ACTTTAGCTTTAATTANAGCTTTTAGGGCACCCAGTAACACTTCAGAAGCGCNACNGAA    | 651L |
| Oy | 203 | CCCTAAGTACACGCGCTGCCTACCTTGGGTTGTTTGATCATCGGAACCTCATTTGAA      | 262  |
| Db | 650 | CCTTCATTCACATAAGATGATATATATGCCATGTCTTTCGCTCTTTTAACGCATCATTAAGA | 591L |
| Oy | 263 | GTTGTGCACTTCTTTTTCATCCTCACCCTCATTTGCTTAATCATCACCTAT            | 312  |
| Db | 590 | GTNNGAATGCTTCAGTATCTTTACCTTTTTTATAGTTAACACACAGTTTT             | 541  |

RESULT 12  
US-08-882-164D-37  
; Sequence 37, Application US/08882164D

GENERAL INFORMATION ;

```

;
; APPLICANT: Petkovich, P. Martin, White, Jay A.,
; APPLICANT: Beckett, Barbara R., Jones, Glenville
; TITLE OF INVENTION: Retinoid Metabolizing Protein
; NUMBER OF SEQUENCES: 43

```

ADDRESSEE: Blake, Cassels & Graydon  
STREET: Box 25, Commerce Court West

STATE: Ontario

; ZIP: M5L 1A9

COMPUTER READABLE FORM;

COMPUTER: COMPAQ, IBM PC compatible

```

;
OPERATING SYSTEM:  MS-DOS 5.1

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; CURRENT APPLICATION DATA:

FILING DATE: June 25, 1997

APPLICATION NUMBER: 08/667,546

APPLICATION NUMBER: 08/724,466

ATTORNEY/AGENT INFORMATION:

NAME: Hunt, John C.

```

:      REGISTRATION NUMBER: 36,424
:      REFERENCE/DOCKET NUMBER: 50767/00010
:      TELECOMMUNICATION INFORMATION:
:      TELEPHONE: (416) 863-4344
:      TELEFAX: (416) 863-2653
:      INFORMATION FOR SEQ ID NO: 37:
:      SEQUENCE CHARACTERISTICS:
:      LENGTH: 683 base pairs
:      TYPE: nucleic acid
:      STRANDEDNESS: single
:      TOPOLOGY: linear
:
US-08-882-164D-37

```

|                       |        |                |        |                |
|-----------------------|--------|----------------|--------|----------------|
| Query Match           | 5.88;  | Score 33;      | DB 4;  | Length 683;    |
| Best Local Similarity | 50.3%; | Pred. No. 1.3; |        |                |
| Matches               | 81;    | Conservative   | 0;     | Mismatches 80; |
|                       |        |                | Indels | 0;             |
|                       |        |                | Gaps   | 0;             |

QY 349 ATAGGCTGCATGAGCAGATCATTAATGAGGGCAAAAGATAAATGTCTCGATTAGAA 408  
||| ||| | | | | | | | | |  
Db 29 ATAGGCAGAACAAATTATCAAAGACATAAGAATTGCAGCCACGATAGGGAAGAAAGAG 88  
  
QY 409 AAATTCATCAAGCTGCAGATATGAGAAAGAAAACCACCGACTGTTCTGGAA 468  
| | | | | | | | | | | | | | | | | |  
Db 89 GAGTCTTTAAACCAACAACAAAAAGGGAAAAAGAGAATTTTAACCTTACATTTAATTCAA 148  
  
QY 469 AGGAGAGAGGTGGAGCAACAGGCTTTTGTCATTTGGGGCA 509  
| | | | | | | | | | | | | | | | | |  
Db 149 AAGTCTTCAGAGCAACCCGCCAAACCTCTCTGGAATGGGGCA 189

RESULT 13  
US-09-461-697-205  
; Sequence 205, Application US/09461697

```

; GENERAL INFORMATION:
; APPLICANT: COGENT NEUROSCIENCE, Inc.

```

APPLICANT: Barney, Shawn

APPLICANT: Portbury, Stuart D.

APPLICANT: Katz, Lawrence C.

TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR

FILE REFERENCE: 10001-005-999

CURRENT FILING DATE: 1999-12-14

```

SOFTWARE: FastSEO for Windows Version 4.0.0
NUMBER OF SEQ ID NOS: 400

```

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; SEQ ID NO 203
;
; LENGTH: 282

```

```

; TYPE: DNA
: ORGANISM: Homo sapiens

```

US-09-461-697--205

|                          |        |                 |           |             |
|--------------------------|--------|-----------------|-----------|-------------|
| Query Match              | 5.8%;  | Score 32.8;     | DB 4;     | length 282; |
| Best Local Similarity    | 54.0%; | Pred. No. 0.92; |           |             |
| Matches 67; Conservative | 0;     | Mismatches 57;  | Indels 0; | Gaps 0      |

[illegible]

|    |     |      |     |
|----|-----|------|-----|
| QY | 443 | CAAA | 446 |
|    |     |      |     |
| Db | 170 | AAAA | 173 |





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